Attorney Docket No. <u>1030681-000578</u>

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Young-dong Lee et al.

Group Art Unit: 1763

Application No.: 10/684,522

Examiner: LUZ L ALEJANDRO MULERO

Filing Date:

October 15, 2003

Confirmation No.: 4190

Title: INDUCTIVELY COUPLED PLASMA GENERATING APPARATUS INCORPORATING SERPENTINE

ANTENNA

FOURTH INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

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Sir:								
⊃тс	Enclosed is a FOURTH Information 1449 for the above-identified patent application	on Disclosure Statement and accompanying form .						
	§ 1.17(p) are also enclosed. Charge to Deposit Account I A check in the amount of is	37 C.F.R. § 1.17(p) is also enclosed. Iso enclosed. It the fee of \$180.00 (1806) as set forth in 37 C.F.R. No. 02-4800 for the fee due. enclosed for the fee due.						
	Charge \$\frac{180.00}{2}\$ to credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.							
		Respectfully submitted, BUCHANAN INGERSOLL PC						
Alex	Box 1404 andria, Virginia 22313-1404) 836-6620	By Laura L. Lee						
Date	E April 20, 2006	Registration No. 48,752						

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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oung-dong Lee et al.

Application No.: 10/684,52/2

Filed: October 15, 2003

For: INDUCTIVELY COUPLES

GENERATING APPARATUS

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Group Art Unit: 1763

Examiner: LUZ L ALEJANDRO

MULERO

Confirmation No.: 4190

FOURTH INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted after a first Office Action on the merits but prior to the closing of prosecution, therefore under 37 C.F.R. § 1.97(c), the fee set forth in 37 C.F.R. § 1.17(p) is enclosed.

A fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is enclosed.

This Information Disclosure Statement contains information which is not in the English language but was cited in a search report or other action by a foreign patent office in a counterpart foreign application.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

By:

Respectfully submitted,

BUCHANANTINGERSOLL

Date <u>April 20, 2006</u>

P.O. Box 1404 Alexandria, Virginia 22313-1404 (703) 836-6620 Laura L. Lee

Registration No. 48,752

04/21/2006 SZEWDIE1 00000174 10684522

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(8/05)

Substitute for form 1449A/PTO & 1449B/PTO Complete if Known **Application Number** 10/684,522 **FOURTH** October 15, 2003 **INFORMATION DISCLOSURE** Filing Date STATEMENT BY APPLICANT **First Named Inventor** Young-dong Lee et al. **Examiner Name** LUZ L ALEJANDRO MULERO (use as many sheets as necessary) Sheet **Attorney Docket Number** 1030681-000578 of

	U.S. PATENT DOCUMENTS								
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)					
OIPE									
APR 2 0 2006									
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FOREIGN PATENT DOCUMENTS											
					STATUS						
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	Partial Translation	Eng. Lang. Summary	Search Report	IPER	Abstract	Cited in Spec
	08-330281	10	Japan	12-13-1996						X.	
	10-074736		Japan	03-17-1998						X	
	2001-085196		Japan	03-30-2001						X	
	2001-516944	Α	Japan	12-02-2001							
	2004-509429	Α	Japan ·	03-25-2004							
											-

NON-PATENT LITERATURE DOCUMENTS							
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						
	Japanese Office Action						

Examiner			Date	•	
Signature	 		Considered		
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.